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Notice of Allowability	Application No.	Applicant(s)	
	10/719,367	SHEU, KUEI-WEN	
	Examiner	Art Unit	
	Vit W. Miska	2841	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to ____.
2. ☒ The allowed claim(s) is/are 1-6.
3. ☒ The drawings filed on 21 November 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date ____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other ____. |


Vit Miska
Primary Examiner

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In claim 1, line 3, after "hands" insert: "including a second hand";

line 10, change "and" to "an",

after "output" insert: "rotational mandrel";

line 11, after "switch" insert: "having a button";

line 14, change "a" to "the";

line 18, change "entering" to "enters";

line 21, delete parentheses: "(" and ")",

after "the" insert: "output",

delete: "to output".

A clean version of the claim is provided below.

The following is an examiner's statement of reasons for allowance:

Claims 1-6 are allowed because the prior art of record does not disclose or suggest a clock driving device having a time display with hands and a second hand, a magnet on the second hand, a reed sensing device provided on the core device, a motor driving an output rotational mandrel, a micro-switch, teeterboard member and gear engaged with the motor to drive the mandrel, the teeterboard member engaging pressing or releasing the button for switching the micro-switch, the reed sensing device triggering the motor to drive the micro-motive device and rotate the mandrel, the micro-motive device also interrupting the communication path of the motor loop.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vit W. Miska whose telephone number is 571-272-2108. The examiner can normally be reached on M-F 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, K. Cuneo can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Vit Miska
Primary Examiner

VM
12/9/2004

Claim 1 (Amended)

A clock-driving device combined with a conventional core, comprises:

- a conventional core device, operated with a conventional core and displaying time with hands including a second hand;

- a power supply, for supplying electric power to said core and a motor;

- a magnet, provided at an appropriate position on the second hand of said conventional core device;

- a reed sensing device, provided at an appropriate position on said conventional core;

- a motor, provided in the same loop as the reed sensing device such that it can be triggered to rotate and output rotational mandrel;

- a micro-motive device, comprising a micro-switch having a button, a teeterboard member and a gear engaged with said motor to drive the output rotational mandrel, wherein a protuberance is provided on said gear, and wherein as the teeterboard member is driven to press down or release the button, the micro-switch will be switched and thus change the communication path of the motor loop;

wherein, by providing said magnet on the hand of said conventional core, and providing said reed sensing device at a suitable position in the moving path of said magnet, as said magnet enters the sensing region of said reed sensing device, sensing said magnet by said reed sensing device will generate a communication path, and then

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trigger said motor to drive said micro-motive device as well as to rotate the output rotational mandrel; and wherein, as said motor driving said rotational mandrel to accomplish one action, said micro-motive device will interrupt said communication path so as to save electric power.